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CLAIMS

What Is Claimed Is:

1. A purified or isolated nucleic acid comprising the sequence of one of SEQ ID
NOs: 134-180 or a sequence complementary thereto.
- 5 2. A purified or isolated nucleic acid comprising at least 10 consecutive bases of the
sequence of one of SEQ ID NOs: 134-180 or one of the sequences complementary thereto.
3. A purified or isolated nucleic acid comprising the full coding sequences of one of
SEQ ID NOs: 136-148, 150, 152-154, 156-159, 161-163, 165, 167-170, 172-174, and 176-180,
wherein the full coding sequence comprises the sequence encoding signal peptide and the sequence
10 encoding mature protein.
4. A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID
NOs: 135-148, 150, 152-163, and 165-180 which encode a mature protein.
5. A purified or isolated nucleic acid comprising the nucleotides of one of SEQ ID
NOs: 134, 136-148, 150-154, 156-159, 161-165, 167-170, 172-174, and 176-180 which encode the
15 signal peptide.
6. A purified or isolated nucleic acid encoding a polypeptide having the sequence of
one of the sequences of SEQ ID NOs: 181-227.
7. A purified or isolated nucleic acid encoding a polypeptide having the sequence of a
mature protein included in one of the sequences of SEQ ID NOs: 182-195, 197, 199-210, and 212-
20 227.
8. A purified or isolated nucleic acid encoding a polypeptide having the sequence of a
signal peptide included in one of the sequences of SEQ ID NOs: 181, 183-195, 197-201, 203-206,
208-212, 214-217, 219-221, and 223-227.
9. A purified or isolated protein comprising the sequence of one of SEQ ID NOs:
25 181-227.
10. A purified or isolated polypeptide comprising at least 10 consecutive amino acids
of one of the sequences of SEQ ID NOs: 181-227.
11. An isolated or purified polypeptide comprising a signal peptide of one of the
polypeptides of SEQ ID NOs: 181, 183-195, 197-201, 203-206, 208-212, 214-217, 219-221, and
30 223-227.
12. An isolated or purified polypeptide comprising a mature protein of one of the
polypeptides of SEQ ID NOs: 182-195, 197, 199-210, and 212-227.
13. A method of making a protein comprising one of the sequences of SEQ ID NO:

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Sub B₂

181-227, comprising the steps of:

obtaining a cDNA comprising one of the sequences of sequence of SEQ ID NO: 134-180;
inserting said cDNA in an expression vector such that said cDNA is operably linked to a
promoter; and

5 introducing said expression vector into a host cell whereby said host cell produces the
protein encoded by said cDNA.

14. The method of Claim 13, further comprising the step of isolating said protein.

15. A protein obtainable by the method of Claim 14.

16. A host cell containing a recombinant nucleic acid of Claim 1.

10 17. A purified or isolated antibody capable of specifically binding to a protein having
the sequence of one of SEQ ID NOs: 181-227.

18. In an array of polynucleotides of at least 15 nucleotides in length, the improvement
comprising inclusion in said array of at least one of the sequences of SEQ ID NOs: 134-180, or one
of the sequences complementary to the sequences of SEQ ID NOs: 134-180, or a fragment thereof
15 of at least 15 consecutive nucleotides.

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